# PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

-	Applicant's or agent's file reference P1995R1	FOR FURTHER ACTION	see Notific (Form PC	cation of Transmittal of International Search Re T/ISA/220) as well as, where applicable, item 5
	International application No. PCT/US03/35268	International filing date (day/mont 06 November 2003 (06.11.2003)	h/year)	(Earliest) Priority Date (day/month)
	Applicant GENENTECH, INC.			08 November 2002 (08.11.2002)
7 a 7	a. With regard to the language, the language in which it was filed, un the international search was car Authority (Rule 23.1(b)).  b. With regard to any nucleotide and search was carried out on the basis contained in the international application as filed together with the international furnished subsequently to this A the statement that the subsequent international application as filed	international search was carried out aless otherwise indicated under this intried out on the basis of a translation of the sequence disclosed of the sequence listing: oplication in written form. Onal application in computer readable uthority in written form. Uthority in computer readable form. It is furnished written sequence listing has been furnished. In recorded in computer readable form the searchable (See Box I).	on the basitem.  of the inte  I in the inte  c form.	is of the international application in the ernational application furnished to this ernational application, the international
	the text is approved as submitted by	y the applicant.		
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The appli				pears in Box III. The applicant may,
ĺ	- S to be published	with the abstract is Figure No	_ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Authority.
j	- subbested by the applicant.		-	None of the figures
Ì	because the applicant failed to sugge	est a figure. ses the invention		of the figures
	CT/ISA/210 (first sheet) (July 1998)	arachdon.		

International application No. PCT/US03/35268

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:    Claim Nos.:	I —	pservations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)  ational report has not been established in respect of certain claims under Article 17(2)(a) (c. 1) at 11 at 11
because they relate to subject matter not required to be searched by this Authority, namely:  2.	- [ 1.	Claim No.
2. Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to su an extent that no meaningful international search can be carried out, specifically:  3. Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)  Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)  This International Searching Authority found multiple inventions in this international application, as follows:  Please See Continuation Sheet  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-5 as drawn to SEQ ID NO: 1  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.	1 -	because they make a second of the second of
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	INTERNATIONAL SEARCH R	REPORT	International	application No.
A. C	CLASSIFICATION OF SUPERIOR		PCT/US03/35	
IPC:	CLASSIFICATION OF SUBJECT MATTER C07H 21/02( 2006.01);C12N 15/00( 2006.0	11)	1 2000	
USPC: According			ssification and IPC	
B. FI	ELDS SEARCHED			
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C. DOC	CUMENTS CONSIDERED TO BE RELEVANT			
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X 	NCBI ACCESSION NO: NM_002794, Homo sa mRNA (see also version gi:19923146). 1992.	piens protesson	of the relevant passages	Relevant to claim I
Y	mRNA (see also version gi:19923146). 1992.	Proteason	ie subunit, beta type, 2,	1
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Y	1996;65:801-47, especially p. 806, Table I (PSM	ina 203 proteaso (B2).	omes. Annu Rev Biochem.	1
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Y	ALBERTS et al., Eds. Molecular Diales			2-5
 A	ALBERTS et al., Eds. Molecular Biology of The (2002, pages 500-502, especially figure 8-32 on pa	Cell, Fourth Edi	tion. Garland Science,	2-5
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Further	down			
Spe	documents are listed in the continuation of Box C.	Se	e patent family annex.	
document de particular re	efining the general state of the art which is not considered to be of	"T" la da pr	ter document published after the interna- te and not in conflict with the application inciple or theory underlying the invention	ational filing date or priority on but cited to understand the
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document wi	hich may throw doubts on priority claim(s) or which is cited to publication date of another citation or other special reason (as	wh	en the document is taken alone	to involve an inventive step
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PCT/US03/35268

# BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

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Groups 1479-2956. Claim 7, drawn to an isolated PRO polypeptide, with respect to SEQ ID NOs: 1-1477.

Groups 2957-4434. Claims 8-9, drawn to a fusion protein comprising a polypeptide of SEQ ID NOs: 1-1477 fused to a heterologus amino

Groups 4435-5912. Claims 10-11, drawn to an antibody that binds to any one of SEQ ID NOs: 1-1477.

Groups 5913-7390. Claims 12-14, drawn to a composition comprising a polypeptide of any one of SEQ ID NOs; 1-1477.

Groups 7391-8868. Claim 15, drawn to an article of manufacture comprising any one of SEQ ID NOs: 1-1477.

Groups 8869 -10346. Claims 16-17, drawn to a method of treating an immune related disorder comprising administering a polypeptide of

sample.

Groups 10347-11824. Claim 18, drawn to a method for determining the presence of a PRO polypeptide of SEQ ID NOs: 1-1477 in a

Groups 11825-13302. Claims 19, 20, and 26, drawn to a method of diagnosing an immune related disease comprising detecting the level of

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Groups 17737-19214. Claim 25, drawn to a method of stimulating the immune response in a mammal comprising administering any one of

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In order for more than one species to be examined, the appropriate additional examination fees must be paid. The species are as follows:

SEQ ID NOs: 1-1477, which are structurally and functionally distinct sequences.

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# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

International application No.	ACTION		fication of Transmittal of International Search   CT/ISA/220) as well as, where applicable, item			
PC1/US03/35268	International filing date (day/mo 06 November 2003 (06.11.2003		(Earliest) Priority Date (day/mouth)			
Applicant GENENTECH, INC.			08 November 2002 (08.11.2002)			
This international search report has	S been prepared by this t					
according to Article 18. A copy is	s been prepared by this International Sea being transmitted to the International Bo	rching Auth	nority and is transmitted to the applicant			
This international search report con	sists of a total of sheets					
It is also accomp	panied by a copy of each prior art docum	ent oited !				
language in which it was	age, the international search was carried o filed, unless otherwise indicated under thi	ut on the ba	Sis of the international			
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Unity of invention is lack	king (See Box I).					
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the text is approved as sub	mitted by the applicant.					
the text has been established	ed by this Authority to read as follows:					
With regard to the abstract,						
the text is approved as subr	nitted by the applicant					
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The figure of the drawings to be put	of according to Rule 38.2(b), by this Auth date of mailing of this international search blished with the abstract is Figure No.	report, sub	mit comments to this Authority.			
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because this figure better cha						

International application No. PCT/US03/35268

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This internat	rvations where certain claims were found unsearchable (Continue on all report has not been established in respect of certain also	ation of Item 1 of first sheet)
1.	onal report has not been established in respect of certain claims under Article  Claim Nos.:  because they relate to subject matter not required to be searched by this Autl	e 17(2)(a) for the following reasons:
2.	Claim Nos.: because they relate to parts of the international application that do not complan extent that no meaningful international search can be carried out, specifical	y with the prescribed requirements to suc ally:
	Claim Nos.: ecause they are dependent claims and are not drafted in accordance with the	second and third sentences of Rule 6.4(a
DOX 11 Obse	rvations where unity of invention is lacking (Continuation of Item	1.2 of first shoot)
Please See Cont	ll Searching Authority found multiple inventions in this international application Sheet	ation, as follows:
pay	all required additional search fees were timely paid by the applicant, this interchable claims.  all searchable claims could be searched without effort justifying an additional ment of any additional fee.  and some of the required additional search fees were timely paid by the applications only those claims for which fees were paid, specifically claims Nos.:	l fee, this Authority did not invite
No restri	quired additional search fees were timely paid by the applicant. Consequentle ted to the invention first mentioned in the claims; it is covered by claims No.  The additional search fees were accompanied by the applicant's No protest accompanied the payment of additional search fees.	s 1-3 as drawn to SEQ ID NO: 1
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International application No.

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C. DOC	CUMENTS CONSIDERED TO BE RELEVANT		
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Y	p. 800, Table I (PSM	B2).	l l
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	ALBERTS et al., Eds. Molecular Biology of The (2002, pages 500-502, especially figure 8-32 on pages 500-502).	Cell, Fourth Edition Garland Sai	
Α	2002, pages 500-502, especially figure 8-32 on pa	ge 502.	2-5
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